

ABSTRACT OF THE DISCLOSURE

In a liquid discharge head having a movable member positioned oppositely to a heating element with a distance from the heating element to realize the liquid discharge head, in which durability of a movable member is improved and discharge characteristic is stable, and reliability is high. On a device substrate on which a plurality of heating elements are mounted in parallel, a deposition film is formed by photolithographic technique to form a movable member, by soaking the movable member in an etching solution after formation of the movable member, a right-angled part and an acute-angled part, and a burr formed on the edge of a side part of the movable member are removed to make a surface of the side part of the movable member to the curved face 11. When the movable member is displaced by a pressure created by a bubble generated by the heating element to discharge ink from a discharge port and the movable member is excessively displaced, when a stress according to the displacement of the movable member is added to the movable member, a stress concentration is relaxed in the side part of the movable member and consequently, it is prevented to cause cracks in the movable member and fracture of the movable member.

0912340.072501
T09270.0421560